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## WHAT IS CLAIMED IS:

1	A distributed	network sea	rch method	comprising.
1.	A distributed	. HOLWOLK SCA	icii iliculou.	, compusing.

receiving a query request from a consumer, wherein the query request includes a search query;

resolving the search query with an index of provider registrations to select one or more provider registrations;

routing the search query to at least one provider specified by the one or more selected provider registrations;

receiving a query response from said at least one provider, wherein the query response includes search results;

routing the search results to the consumer.

- 2. The method as recited in claim 1, wherein the query request and the query response are formatted according to a query routing protocol, wherein the query routing protocol specifies a mark-up language format for communicating query requests and query responses.
  - 3. The method as recited in claim 1, wherein said search query comprises:

an indication of a query-space, wherein the query-space defines a structure for indicating and matching search criteria; and

search criteria structured according to the indicated query-space.

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- 4. The method as recited in claim 3, wherein each provider registration comprises:
  - an indication of a query-space, wherein the query-space defines a structure for indicating and matching search criteria;
    - a predicate statement structured according to the indicated query-space, wherein the predicate statement defines matching search criteria; and
- a query server address to which matching search queries are to be directed.
  - 5. The method as recited in claim 4, wherein said resolving comprises:
  - applying the search criteria from the search query to the provider registrations indicating the same query-space as the search query; and
  - selecting the provider registrations that have both the same query-space as said search query and a predicate statement matching the search criteria from the search query.
  - 6. The method as recited in claim 5, wherein said routing the search query to the query server addresses specified by one or more of the provider registrations selected by said resolving.
- 7. The method as recited in claim 1, wherein said receiving a query response from at least one provider comprises collating search results received from a plurality of providers, and wherein said routing the search results comprises routing the collated search results to the consumer.
  - 8. The method as recited in claim 1, further comprising:

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receiving registration requests from a plurality of providers, wherein each registration request comprises a registration file, wherein the registration file comprises an address and a definition of search queries to be sent to the address; and

storing the registration files in the index of provider registrations.

- 9. The method as recited in claim 8, wherein the registration requests, the query request and the query response are all formatted according to a query routing protocol, wherein the query routing protocol specifies a mark-up language format for communicating query requests, query responses and registration requests.
  - 10. A network hub coupled to a network, comprising:

a router configured to receive query requests from consumers coupled to the network, wherein each query request includes a search query;

a resolver coupled to said router, wherein said resolver is configured to receive the search queries from said router, and wherein said resolver is further configured to access to a provider registration index and resolve each search query with the provider registration index to select one or more provider registrations for each search query;

wherein said router is further configured to receive from said resolver an indication of one or more providers selected for each search query and route each search query to the one or more selected providers for that search query.

Atty Dkt. No.: 5181-91401 Page 88 Conley, Rose & Tayon, P. C

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- 11. The network hub as recited in claim 10, wherein said router is further configured to receive query responses from providers coupled to the network, wherein each query response includes a search query ID and search results.
- The network hub as recited in claim 11, wherein for each query request said router is further configured to collate the search results received from providers and route the collated search results to the consumer that sent the query request.
- 14. The network hub as recited in claim 10, wherein the router is configured to receive the query requests and query responses according to a query response protocol, wherein the query routing protocol specifies a mark-up language format for communicating query requests and query responses.
  - 15. The network hub as recited in claim 10, wherein each search query comprises:

an indication of a query-space, wherein the query-space defines a structure for indicating and matching search criteria; and

search criteria structured according to the indicated query-space.

- 16. The network hub as recited in claim 15, wherein each provider registration comprises:
- an indication of a query-space, wherein the query-space defines a structure for indicating and matching search criteria;
  - a predicate statement structured according to the indicated query-space, wherein the predicate statement defines matching search criteria; and

a query server address to which matching search queries are to be directed.

17. The network hub as recited in claim 16, wherein for each search query said resolver is further configured to:

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apply the search criteria from the search query to the provider registrations indicating the same query-space as the search query; and

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select the provider registrations that have both the same query-space as said search query and a predicate statement matching the search criteria from the search query.

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- 18. The network hub as recited in claim 17, wherein said router is configured to route each search query to the query server addresses specified by one or more of the provider registrations selected by said resolver.
- 19. The network hub as recited in claim 10, wherein said router is further configured to:

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receive registration requests from a plurality of providers, wherein each registration request comprises a registration file, wherein the registration file comprises an address and a definition of search queries to be sent to the address; and

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store the registration files in the index of provider registrations.

20. The network hub as recited in claim 10, wherein the router is configured to receive the registration requests according to a query routing protocol, wherein the query routing protocol specifies a mark-up language format for communicating query requests,

30 query responses and registration requests.

Atty. Dkt. No.: 5181-91401

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- 21. A carrier medium comprising program instructions, wherein the program instructions are computer-executable to implement:
- receiving a query request from a consumer, wherein the query request includes a search query;

resolving the search query with an index of provider registrations to select one or more provider registrations;

routing the search query to at least one provider specified by the one or more selected provider registrations;

receiving a query response from said at least one provider, wherein the query response includes search results;

routing the search results to the consumer.

- 22. The carrier medium as recited in claim 21, wherein the query request and the query response are formatted according to a query routing protocol, wherein the query routing protocol specifies a mark-up language format for communicating query requests and query responses.
- 23. The carrier medium as recited in claim 21, wherein said search query comprises:

an indication of a query-space, wherein the query-space defines a structure for indicating and matching search criteria; and

search criteria structured according to the indicated query-space.

Atty. Dkt. No.: 5181-91401 Page 91 Conley, Rose & Tayon, P. C.

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- 24. The carrier medium as recited in claim 23, wherein each provider registration comprises:
- an indication of a query-space, wherein the query-space defines a structure for indicating and matching search criteria;
  - a predicate statement structured according to the indicated query-space, wherein the predicate statement defines matching search criteria; and
  - a query server address to which matching search queries are to be directed.
  - 25. The carrier medium as recited in claim 24, wherein said resolving comprises:
    - applying the search criteria from the search query to the provider registrations indicating the same query-space as the search query; and
    - selecting the provider registrations that have both the same query-space as said search query and a predicate statement matching the search criteria from the search query.
  - 26. The carrier medium as recited in claim 25, wherein said routing the search query to the query server addresses specified by one or more of the provider registrations selected by said resolving.
  - 27. The carrier medium as recited in claim 21, wherein said receiving a query response from at least one provider comprises collating search results received from a plurality of providers, and wherein said routing the search results comprises routing the collated search results to the consumer.

- 28. The carrier medium as recited in claim 1, wherein the program instructions are further computer-executable to implement:
- receiving registration requests from a plurality of providers, wherein each registration request comprises a registration file, wherein the registration file comprises an address and a definition of search queries to be sent to the address; and
- storing the registration files in the index of provider registrations.
  - 29. The carrier medium as recited in claim 28, wherein the registration requests, the query request and the query response are all formatted according to a query routing protocol, wherein the query routing protocol specifies a mark-up language format for communicating query requests, query responses and registration requests.